

DERWENT-ACC-NO: 1998-189470  
DERWENT-WEEK: 199817  
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TITLE: Shrinkable aromatic polyester resin tube used e.g. for condensers - comprises polyester resin composition comprising aromatic polyester resin, polyester elastomer, and large size inactive particles with specified particle size

PATENT-ASSIGNEE: TEIJIN KASEI LTD[TEIQ]

PRIORITY-DATA: 1996JP-0209784 (August 8, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 10046014 A	February 17, 1998	N/A	008	C08L 067/03

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 10046014A	N/A	1996JP-0209784	August 8, 1996

INT-CL (IPC): B29C047/00; B29C047/20 ; B29C055/26 ; B29C061/08 ; B29K067:00 ; B29K105:02 ; B29K105:16 ; B29L023:00 ; B32B027/36 ; C08K003/00 ; C08K005/00 ; C08L067/03 ; C08L067/03 ; C08L067:00

ABSTRACTED-PUB-NO: JP 10046014A

BASIC-ABSTRACT: New shrinkable aromatic polyester resin tube(s) (I) comprises: (1)100 pts.wt. polyester resin composition comprising: (A) 70-99 wt.% aromatic polyester resin; (B) 30-1 wt.% polyester elastomer; (2) (C) 0.05-4 pts.wt. large size inactive particles with particle size 4-30  $\mu$  m.

Also claimed are: (1) inorganic articles (II) coated by (I); (2) preparation of (I); and (3) Preparation of (II).

USE - (I) is useful as electric insulating material for condenser, IC devices etc..

ADVANTAGE - (I) has good shrinkability, improved slip properties and good storage stability.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

SHRINK AROMATIC POLYESTER RESIN TUBE CONDENSER COMPRISE  
POLYESTER RESIN  
COMPOSITION COMPRISE AROMATIC POLYESTER RESIN POLYESTER  
ELASTOMER SIZE INACTIVE  
PARTICLE SPECIFIED PARTICLE SIZE

DERWENT-CLASS: A23 A85 L03 P73 U11 V01 X12

CPI-CODES: A05-E01D2; A07-A03A; A08-R01; A11-B05; A11-B07B; A12-E01;  
L03-A;  
L04-C12E; L04-F04;

EPI-CODES: U11-A07; V01-B03B1; X12-E02B;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

018 ; D18\*R ; P0839\*R F41 D01 D63 ; H0293 ; S9999 S1661

Polymer Index [1.2]

018 ; P0884 P1978 P0839 H0293 F41 D01 D11 D10 D19 D18 D31 D50 D63  
D90 E21 E00 ; S9999 S1661

Polymer Index [1.3]

018 ; P0908 P1978 P0839 H0293 F41 D01 D11 D10 D19 D18 D31 D50 D63  
D90 E20 E21 E00 ; H0293 ; H0033 H0011 ; S9999 S1661

Polymer Index [1.4]

018 ; P0839\*R F41 D01 D63 ; H0124\*R ; S9999 S1661

Polymer Index [1.5]

018 ; ND01 ; ND04 ; Q9999 Q7363 Q7330 ; Q9999 Q7374\*R Q7330 ; Q9999  
Q7476 Q7330 ; K9745\*R ; K9449 ; N9999 N6439 ; N9999 N5970\*R ; N9999  
N5914\*R ; B9999 B5152\*R B4740 ; B9999 B5550 B5505 ; B9999 B5367  
B5276 ; B9999 B3532 B3372

Polymer Index [1.6]

018 ; R01278 D00 F44 C\* 4A O\* 6A Ca 2A ; R01949 D00 F80 O\* 6A Al  
3A Si 4A ; R01694 D00 F20 O\* 6A Si 4A ; R01544 D00 F20 Al 3A O\*  
6A ; A999 A237 ; A999 A771 ; S9999 S1456\*R ; B9999 B5209 B5185 B4740

Polymer Index [2.1]

018 ; E21 E00 ; R00822 G1025 G0997 D01 D11 D10 D50 D82 F28 F26 ;  
R01075 G1025 G0997 D01 D11 D10 D50 D85 F28 F26 ; P0839\*R F41 D01  
D63 ; H0033 H0011 ; H0293 ; S9999 S1661

Polymer Index [2.2]

018 ; ND01 ; ND04 ; Q9999 Q7363 Q7330 ; Q9999 Q7374\*R Q7330 ; Q9999

Q7476 Q7330 ; K9745\*R ; K9449 ; N9999 N6439 ; N9999 N5970\*R ; N9999  
N5914\*R ; B9999 B5152\*R B4740 ; B9999 B5550 B5505 ; B9999 B5367  
B5276 ; B9999 B3532 B3372

Polymer Index [2.3]

018 ; B9999 B3678 B3554

Polymer Index [2.4]

018 ; R01278 D00 F44 C\* 4A O\* 6A Ca 2A ; R01949 D00 F80 O\* 6A Al  
3A Si 4A ; R01694 D00 F20 O\* 6A Si 4A ; R01544 D00 F20 Al 3A O\*  
6A ; A999 A237 ; A999 A771 ; S9999 S1456\*R ; B9999 B5209 B5185 B4740

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1998-060431

Non-CPI Secondary Accession Numbers: N1998-150698

DERWENT-ACC-NO: 1976-77693X  
DERWENT-WEEK: 197642  
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TITLE: Flat coil condenser with shrunk on plastic cover - bonded to coil by  
adhesion sintering or melting

PATENT-ASSIGNEE: ROEDERSTEIN SPEZIALFAB KONDENS[ROEDN]

PRIORITY-DATA: 1971DE-2113697 (March 22, 1971) , 1969DE-0949164 (August 18,  
1975)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 2113697 B	October 7, 1976	N/A	000	N/A

INT-CL (IPC): H01G001/14

ABSTRACTED-PUB-NO: DE 2113697B

BASIC-ABSTRACT: The Parent Patent describes a flat-coil condenser in which connecting wires are attached at the two ends of the coil and extend parallel to the wide (long) sides of the flat coil. The wide, flat sides of the coil and the end faces including the attached portions of the connecting wires are all held together by a surrounding plastic sleeve of shrunk polyester and/or polycarbonate foil. In the Patent of Addition, the inner face of this sleeve is bonded to the outer face of the coil at least in certain regions. To provide the bond, there may be an interlayer of adhesive, or the inner face of the plastic sleeve may be sintered onto the outer face of the coil, or again it may be fused onto the outer face of the coil. The plastics sleeve may be of two inseparable layers, the outer one at least being a shrinking foil while the inner one serves for bonding to the coil. The advantage of the Parent Patent, by which the connecting wires are firmly held by the plastic sleeve, is retained, with additional high mechanical strength and robustness and ease of manufacture.

TITLE-TERMS:

FLAT COIL CONDENSER SHRINK PLASTIC COVER BOND COIL ADHESIVE  
SINTER MELT

DERWENT-CLASS: A85 L03 V01 X12

CPI-CODES: A05-E01; A12-E07; L03-B03;

Multipunch Codes: 012 04- 040 143 144 155 157 158 231 359 37& 428 429 435 443  
446 454 473 477 497 609 623 627 686 722

CLIPPEDIMAGE= JP410046014A

PAT-NO: JP410046014A

DOCUMENT-IDENTIFIER: JP 10046014 A

TITLE: HEAT SHRINKABLE POLYESTER TUBE, ITS PRODUCTION AND  
UTILIZATION THEREOF

PUBN-DATE: February 17, 1998

INVENTOR-INFORMATION:

NAME

KAMIMURA, NOBUHISA

UENO, MAKOTO

SHIKIMA, KOZO

ASSIGNEE-INFORMATION:

NAME

COUNTRY

TEIJIN CHEM LTD

N/A

APPL-NO: JP08209784

APPL-DATE: August 8, 1996

INT-CL (IPC): C08L067/03;B29C047/00 ;B29C047/20 ;B29C055/26 ;B29C061/08  
;B32B027/36 ;C08K003/00 ;C08K005/00

ABSTRACT:

PROBLEM TO BE SOLVED: To produce the subject product excellent in heat shrinkability, slipperiness of the inner surface, opening properties, etc., by using a resin composition prepared by blending an aromatic polyester resin and a polyester-based elastomer resin with inert external particles having a large particle diameter.

SOLUTION: This heat shrinkable aromatic polyester tube comprises a resin composition prepared by blending 100 pts.wt. thermoplastic resin composed of (A) 70-99wt.% aromatic polyester resin (preferably polyethylene terephthalate resin, etc.) and (B) 1-30wt.% polyester-based elastomer resin with (C) 0.05-4 pts.wt. inert external particles having a large particle diameter of 4-30 $\mu$ m

(preferably inorganic fine particles such as clay). A polyether ester resin, etc., in which a hard segment is composed of a polybutylene terephthalate and a soft segment is composed of polytetramethylene glycol are preferred as the component B. The objective product is produced by extruding the resin composition into a tubular shape and then drawing the resultant tube at 1.2-4.5 times in the radial direction and 1-2 times in the longitudinal direction. The drawing temperature is preferably 70-100°C.

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